

PlayStation®2

K - CHASSIS

SCPH-70000 series

Level 1 & 2 Service Manual



Models manufactured in China by:

ASUS
and
FOXCONN

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General

This manual should be used in conjunction with the Level 1 ver.5.0 (and Level 2 appendix ver.3.0) manuals published for the original PS2 (30000, 35000, 30000R, 39000 and 50000 series PS2 consoles). Please refer to these manuals for Safety Related Component Warning, General Information, Warranty and Spare Parts Reorder Information.

K CHASSIS Identification of manufacturer

The manufacturer of the console can be identified before the console is opened. Please refer to the identifying letter at the start of the Serial Number shown on the Serial Number Label mounted on the bottom of the console:



K CHASSIS Software And Equipmant

The same software and equipment (except adjustment jigs) are required for the K chassis as those used on the H & I chasssis console.

Level 1 software

<u>Part No</u>	<u>Description</u>
J2504175A	SCD-E94015
J2504197A	SVDE-94076

Level 2 jigs and software

Optical Block exchange and adjustment, and Main board exchange / ID registration via SCEI service administration server should be carried out in accordance with the specific Level 2 training given at SEC for authorised service centres.

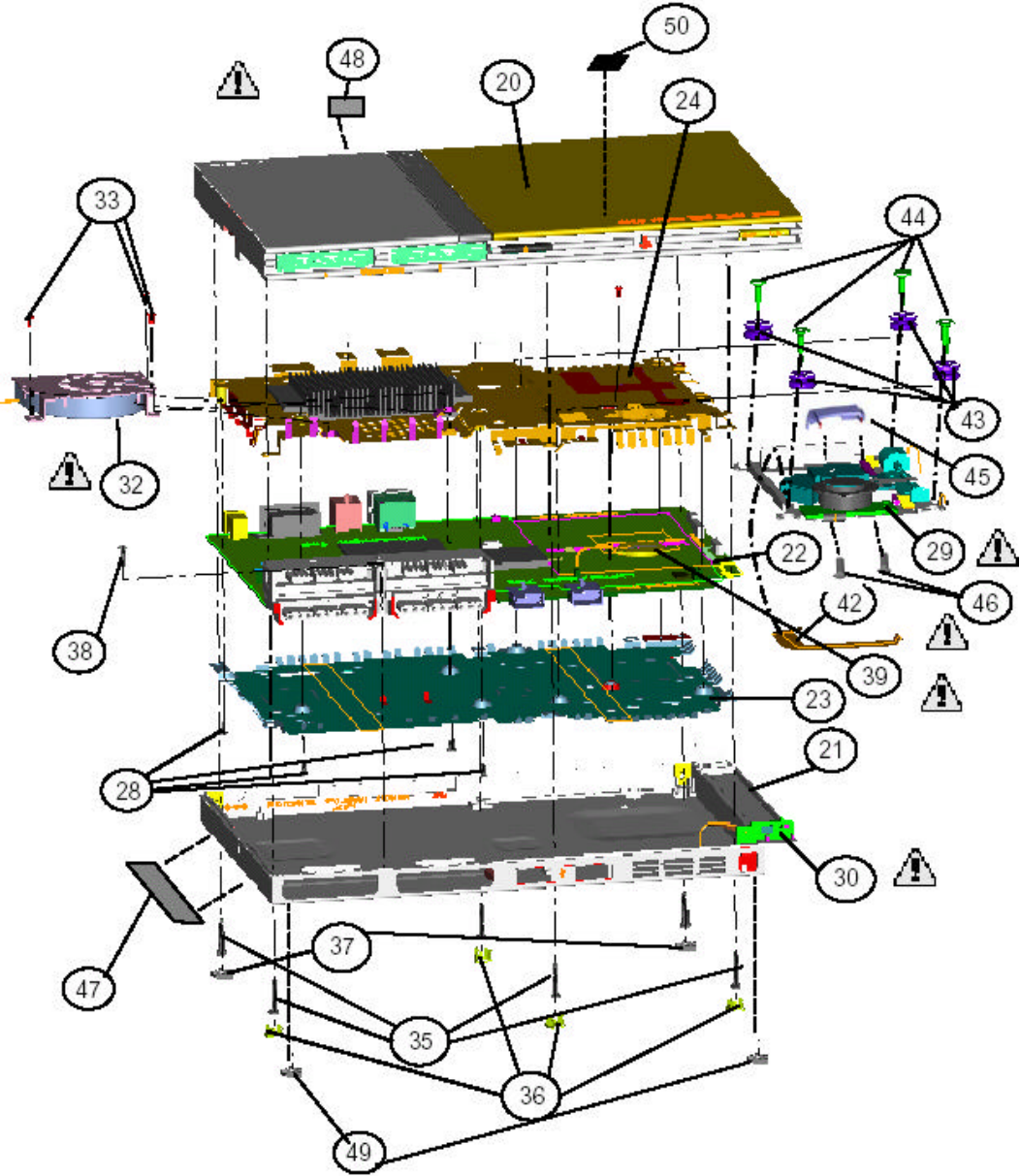
<u>Part No</u>	<u>Jig Description</u>	<u>Manufacturer</u>
J2504669A	SVC-HK401SF	Foxconn
J2504670A	SVC-HK402SA	Asus
882011802	GLD-DR01(DVD GLASS STANDERD DISK)	
J2504010A	SCD-2700	
J2504193A	PEPX94043 new ID disc	
J2504185A	USB ETHERNET ADAPTER USB-ET/TX-S for ID network	
J2504201A	TDV-520CSC New Electrical Adjustment	
J2504202A	TDV-540CSC New Electrical Adjustment	
J2504175A	SCD-E94015	

NB. The above Level 2 equipment is only available directly from SCEE

Foxconn

Level 2
Overall and Main Block

Level	Ref	Part No.	Description
1	20	988610003	COVER ASSY,UPPER (Sankyo)
1	20	988610047	COVER ASSY,UPPER (Mitsumi)
1	23	988610010	SHIELD ASSY,LOWER
1	24	988610012	SHIELD ASSY,UPPER
1	25	231881701	SHEET (EE), ELECTRIC HEAT
1	26	308029401	SHEET (DRIVER), ELECTRIC HEAT
1	27	308845401	SHEET (MULTI), ELECTRIC HEAT
1	28	307455201	0 PLATE 2 MAIN 2X5 S TITE
2	29	178819311	TRAVERSE MECHA (Mitsumi)
2	29	178819411	TRAVERSE MECHA (Sankyo)
1	30	988610015	SW 434 BOARD
1	31	988610016	8 PIN FFC
1	32	988610017	DC FAN
1	33	988610018	SCREW, TAPPING (M2X4)
1	34	307456001	HARNESS TAPE(FAN)
1	35	988610019	SCREW , TAPPING(P2.6X12)
1	36	218732901	COVER , SCREW CB
1	37	218733001	CAP(R)
1	38	988610020	SCREW(FTB)(+BV2.6X8)
1	39	988610013	BATTERY UNIT ASSY
2	42	186464811	FPC,24 PIN(OPT)
2	43	218732801	INSULATOR
2	44	988610014	SCREW(TR,2X4.5 S)
2	45	234824201	D-guard(MI)
2	45	234824301	D-guard(SA)
1	46	988610042	SCREW for D-guard
1	48	218752401	TAPE,VOID
1	49	218732501	CAP(F)

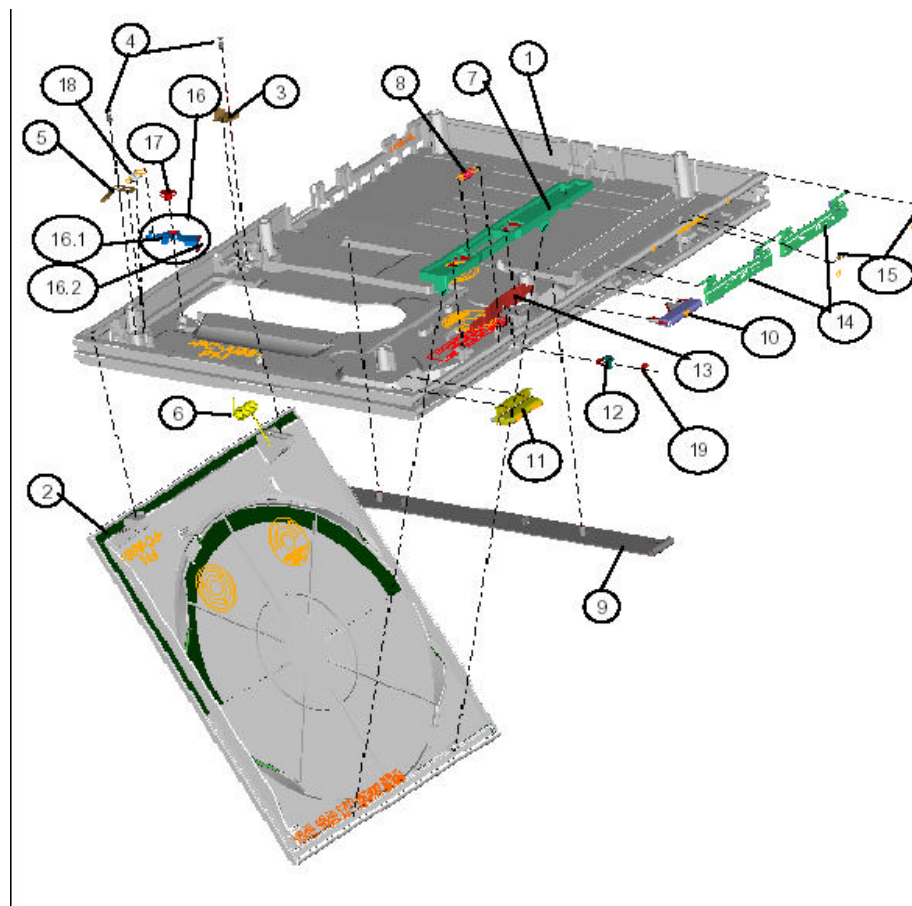


Foxconn

Level 2

Upper Cover Assy and Stand Nut Block

<u>Level</u>	<u>Ref</u>	<u>Part No.</u>	<u>Description</u>
1	4	988610042	SCREW for D-guard
1	6	988610004	SPRING ,SLIDE
1	8	988610004	SPRING ,SLIDE
1	16	988610005	BRAKE ASSY
1	17	988610006	BRAKE SCREW(B2*2.7)
1	18	988610007	SPRING,BRAKE



REPAIR PARTS LIST

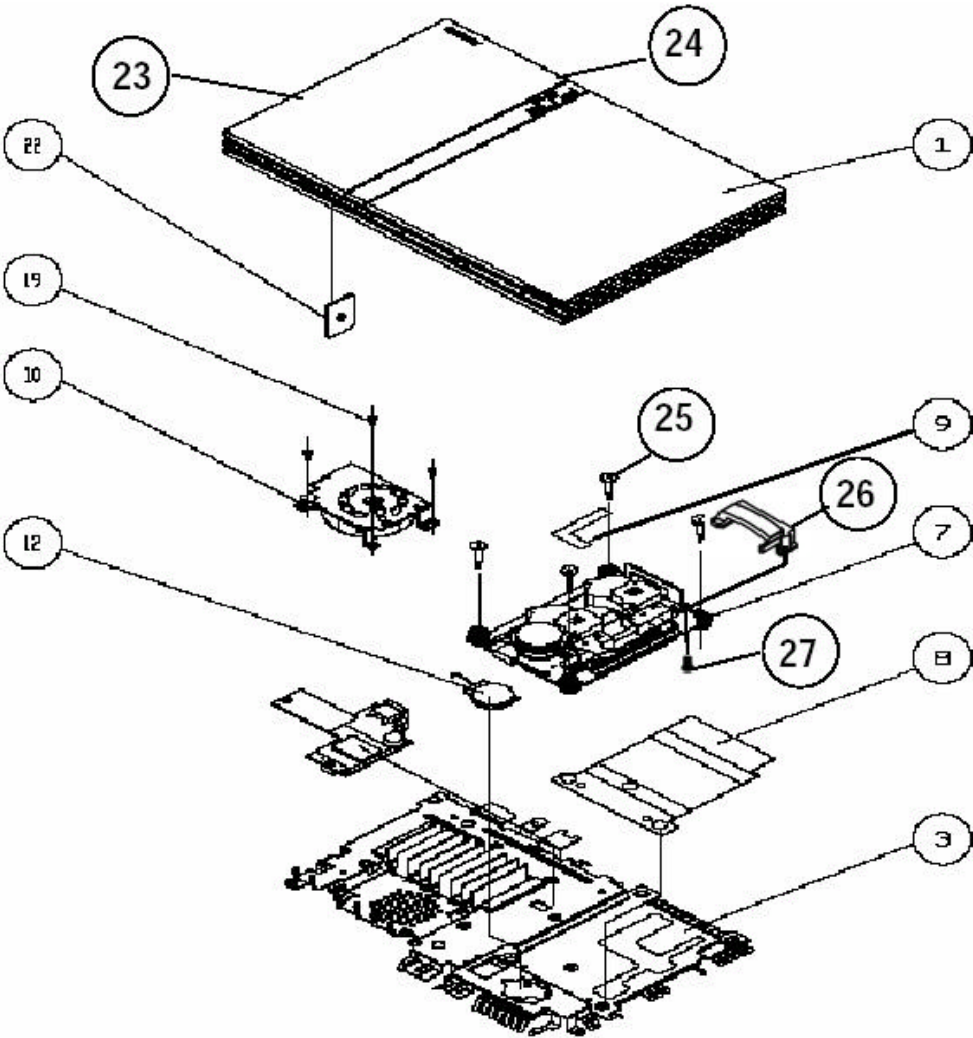
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EXPLODED VIEWS

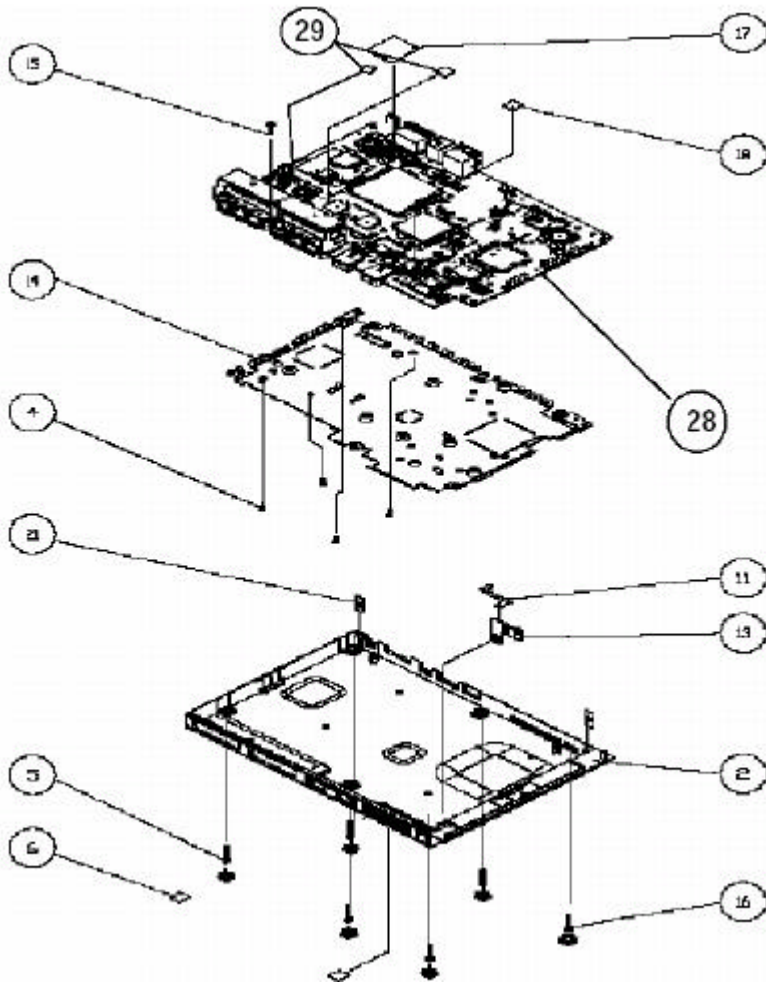
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SCPH-70003/4/8 (K)

Table with 4 columns: Level, Ref, Part No., Description. It lists 14 components including the upper cover, shield assembly, MD traverse, insulator, flexible cable, DC fan, battery, screws, tape, and D-guard.

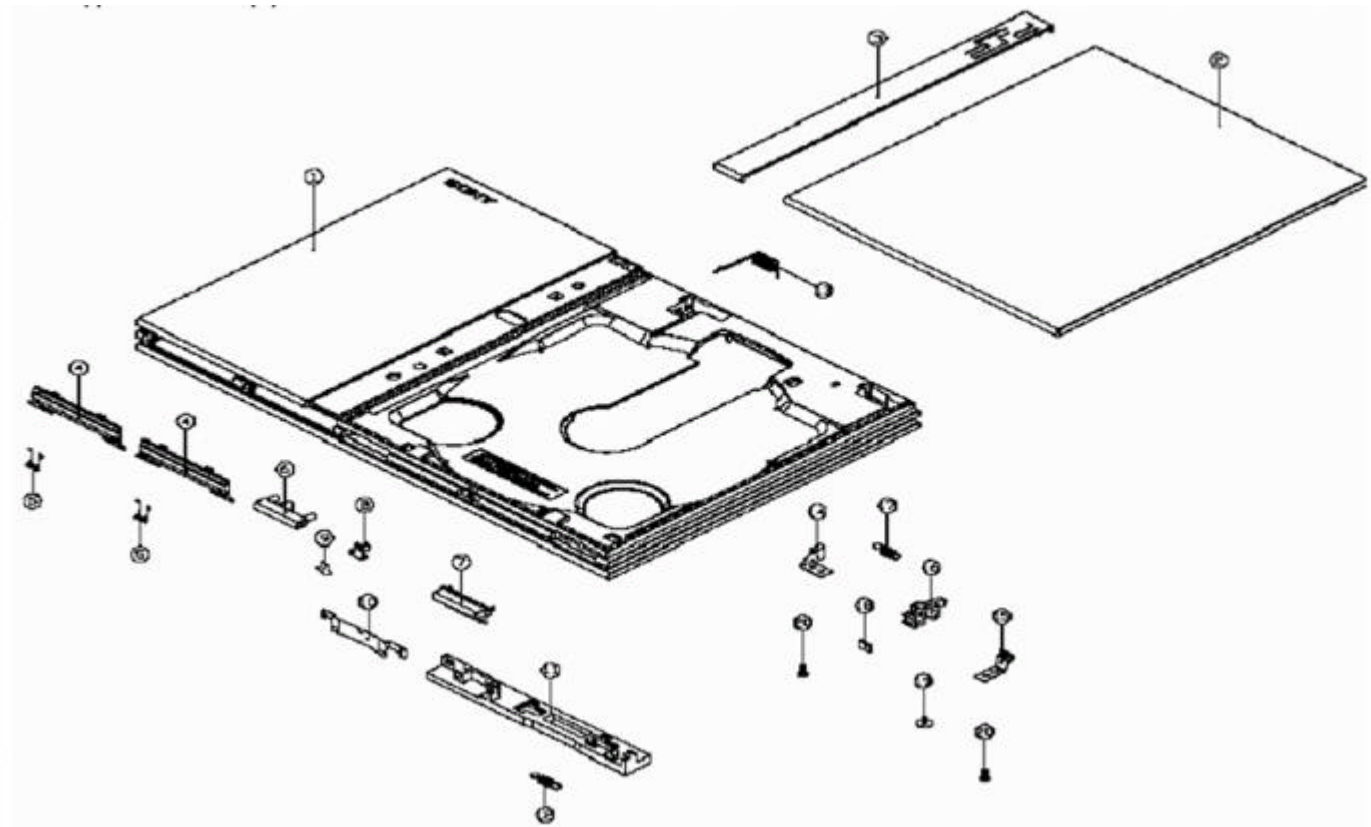


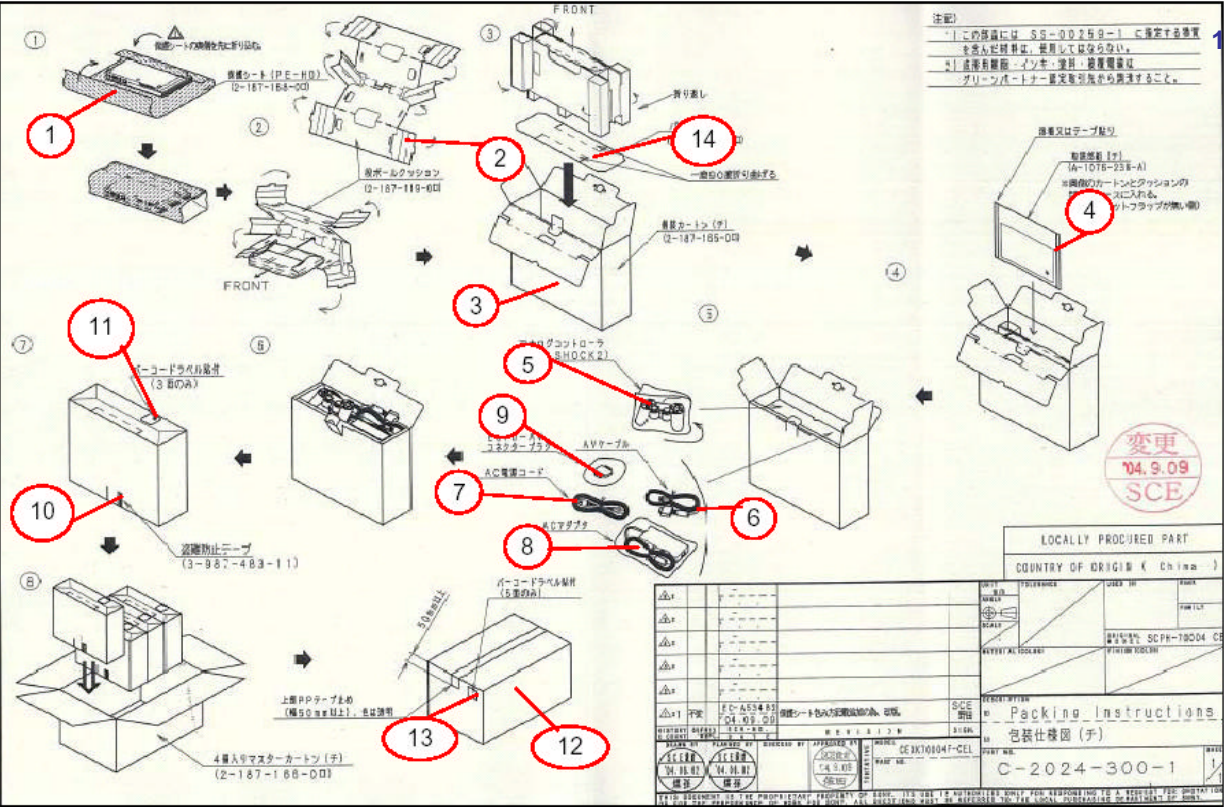
<u>Level</u>	<u>Ref</u>	<u>Part No.</u>	<u>Description</u>
1	4	307455201	0 PLATE 2 MAIN 2X5 S TITE
1	5	988615017	SCREW , TAPPING(P2.6X12B)
1	6	234264201	FS CAP .R
1	11	988615014	FFC CABLE 8P L:50mm
1	13	988615013	FS SWITCH BOARD
1	14	988615007	FS LOWER SHIELD ASSY
1	15	988615018	SCREW(FTB)(+BV2.6X8)
1	16	234264101	FS COVER,SCREW
1	17	231881701	FS FERRITE SHEET(EF)
1	18	307887901	FS SHEET(DRIVER)
1	29	308845401	FS SHEET (I), MULTI



Asus
Level 2
Upper Cover Assy

<u>Level</u>	<u>Ref</u>	<u>Part No.</u>	<u>Description</u>
1	12	988615002	SPRING ,SLIDE
1	17	988615005	SPRING,BRAKE
1	19	988615004	BRAKE SCREW(B2*2.7)
1	20	988615038	SCREW +2*4 B





Level	Ref	Part No.	Description
1	5 (CONT)	182986711	CONTROLLER
1	5 (CONT)	182985611	CONTROLLER
1	6 (AV)	179202823	CORD, AV
1	6 (AV)	179202832	CORD, AV
1	6 (AV)	179202853	CORD, AV
1	6 (AV)	179202863	CORD, AV
1	6 (AV)	179202881	CORD, AV
1	7 (AC)	182491031	CORD, POWER
1	7 (AC)	182782621	CORD, POWER
1	7 (AC)	182727021	CORD, POWER
1	7 (AC)	182315221	CORD, POWER
1	8 (PSU)	147900711	AC POWER UNIT
1	8 (PSU)	147900911	AC POWER UNIT
1	9 (CONV)	178500413	CONVERTER, AV

QUALITY ASSURANCE TEST (QA TEST)

<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
J2504175A	SCD-E94015	PSone
J2504197A	SVDE-94076	PS2

QA-Test-disc is supplied as a spare part. If the units pass test with PS-game, PS2-game and DVD, EVERY unit needs a QA-test and has to pass the QA-test. After the QA-test, an aging-test with a PlayStation®2 - demo disc needs to be done during two hours. If the unit passes this test, the unit can be considered as repaired and can be returned to the customer. The following QA-Test guidelines should be followed:

To perform the QA-test, the following equipment is required:

- Test-CD: **SCD-E94015** (available from WRPC(E))
- Test-CD: **SVDE-94076** (available from WRPC(E))
- 2 grey (PS) + 2 black (PS2) memory cards (not supplied) *
- TV (not supplied) **
- Amplifier with OP dig out connection + loudspeaker (not supplied) **
- USB-cable (not supplied) **
- Optical Digital Cord (not supplied) **
- 2 Dual Shocks PS2 (available as spare part)

Note:

* Please use existing stock

** This is generic equipment and should already be available at SSC and ACS.

Process-description:

1. Connect Power Cord, AV-cable & optical digital cord to the unit (Backside);
2. Connect USB-cable and insert the 2 grey memory cards and Dual Shocks (Front side);
3. Switch the Power ON & push the reset button;
4. Insert **SCD-E94015** test disc;
5. Check Audio and Video: CARD 0 and CARD 1 must be: OK;
6. Push R1 button on Dual Shock and check Audio and Video;
7. Push L1 button on Dual Shock and check Audio and Video;
8. Replace grey memory cards with the black ones;
9. Insert **SVDE-94076**. Check V-ram OK, push red O-button again and V-RAM: OK;
10. Push L1,R1 and red O-button and check Audio (TV + Loudspeaker) and Video;
11. Push red O-button and check Audio and Video;
12. Push red O-button "HDD-connector-test" OK;
13. Remove disc and switch off the unit.